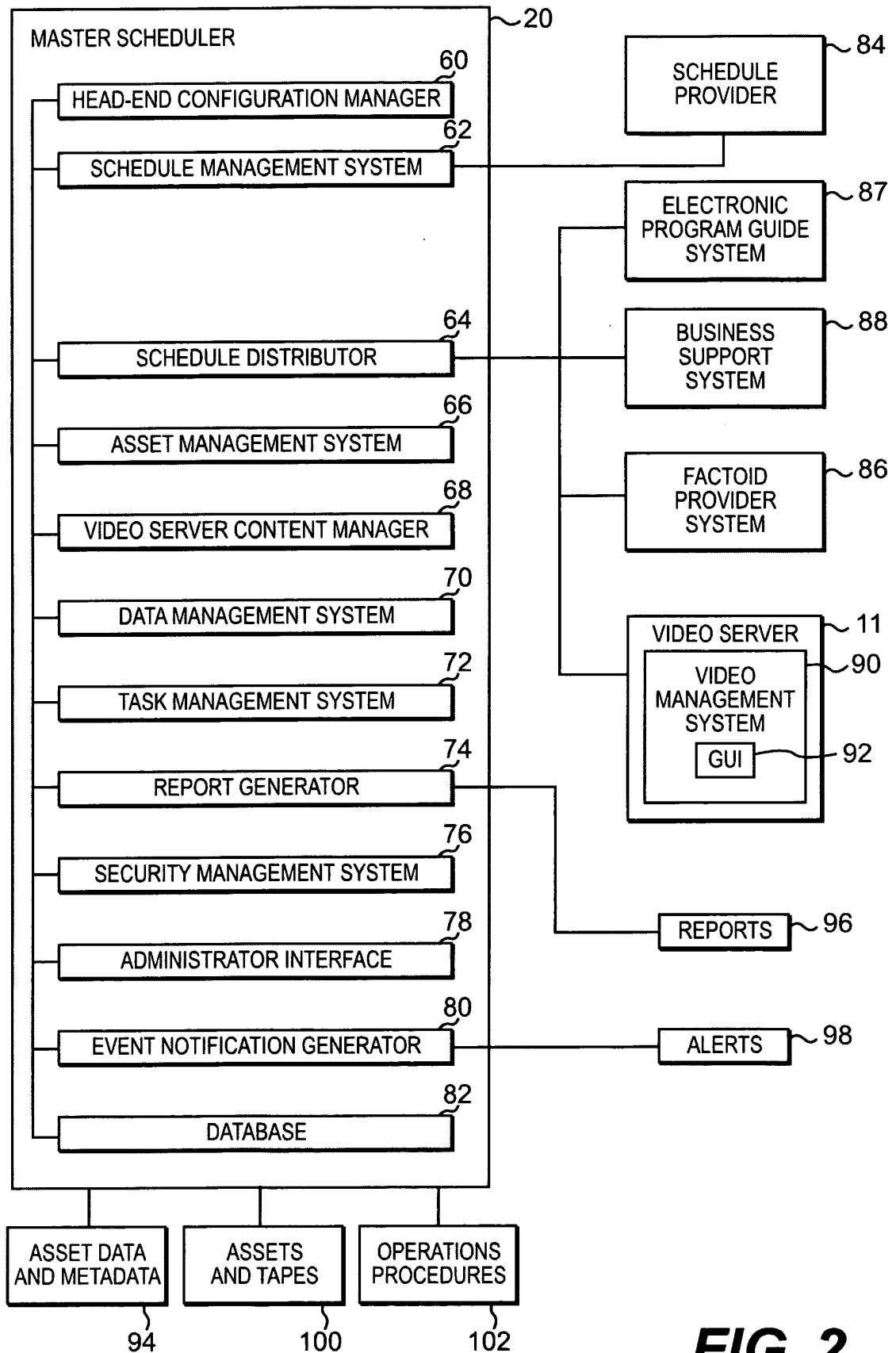


FIG. 1



# Replacement Sheet



**FIG. 2**

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FILE

EDIT

MANAGE

CONFIGURE

ADMINISTER

REPORTS/LOGS

ITEMS

ID	DESCRIPTION	EFFECTIVE DATE
1	ITEM #1	4/1/97
2	ITEM #2	5/1/97
3	ITEM #3	5/1/97

PORTS

ID	DESCRIPTION	EFFECTIVE DATE
1	PORT #1	5/1/97
2	PORT #2	5/1/97
3	PORT #3	6/1/97
4	PORT #4	6/1/97
5	PORT #5	6/1/97

FIG. 3

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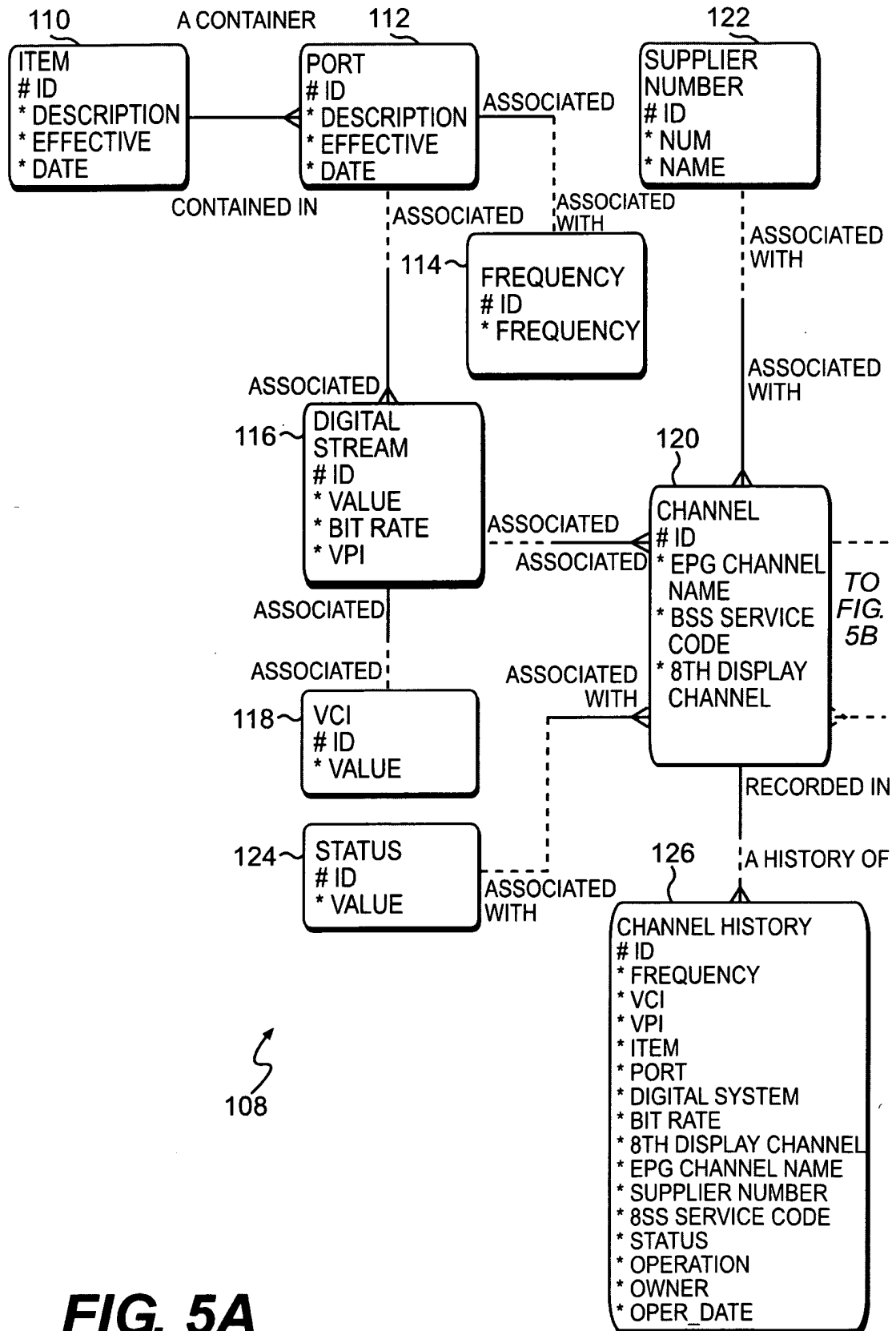
FILE EDIT <u>M</u> ANAGE <u>C</u> ONFIGURE <u>A</u> DMINISTER <u>R</u> EPORTS/ <u>L</u> OGS			
LINEUP NAME	LINEUP VERSION	STATUS	
FEB LINEUP	1	FINALIZED	
MARCH LINEUP	4	BEING DISTRIBUTED	
APRIL LINEUP	1	WIP	

ORGANIZATION	DISTRIBUTED (Y/N)	DISTR. DATE	CONFIRMED (Y/N)	CONFIRM DATE	REMARKS
EPG	Y	2/4/97	Y	2/5/97	PHONE CALL FROM JOHN
BSS	Y	2/5/97	N		SENT A FAX

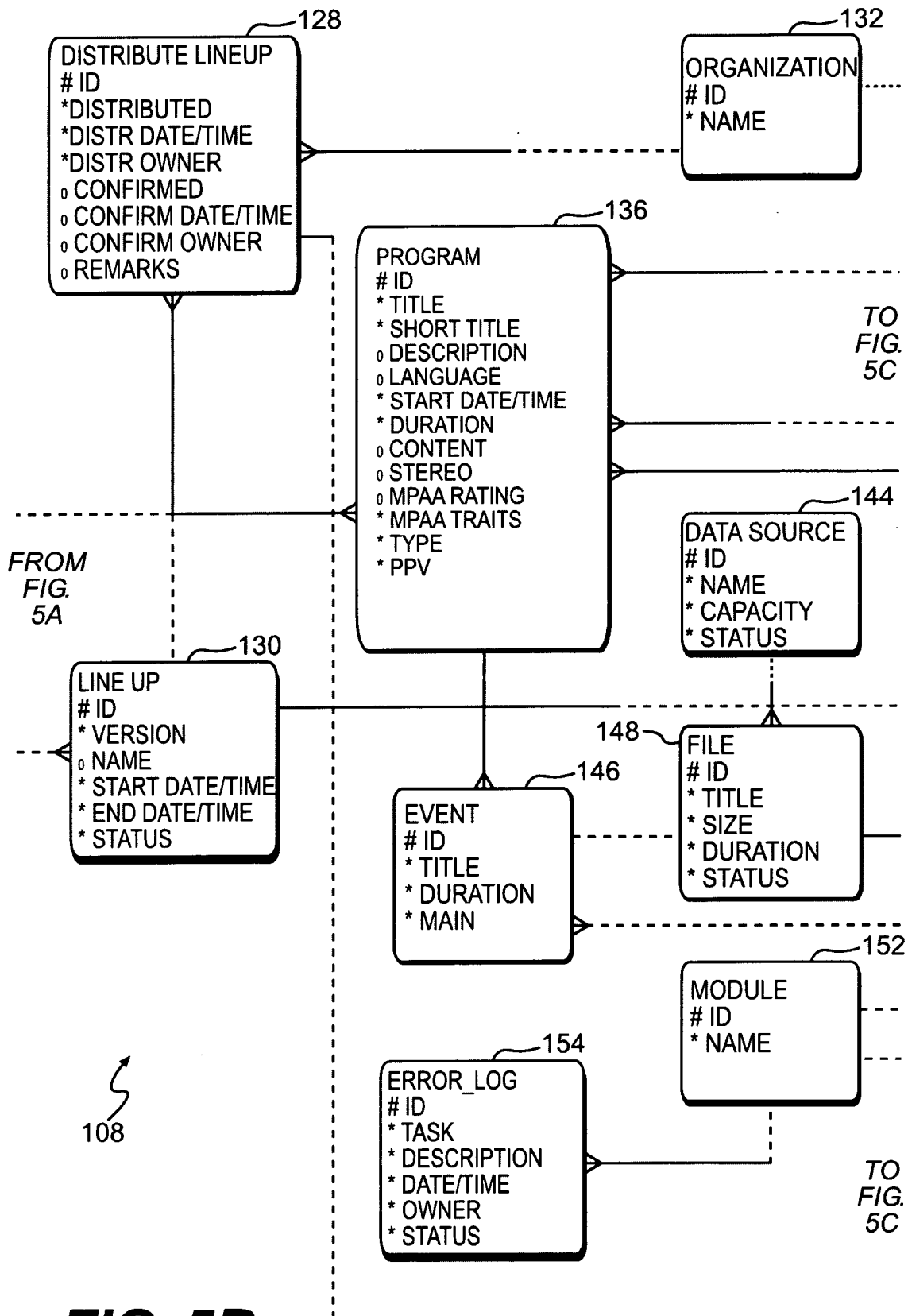
**FIG. 4**

# Replacement Sheet



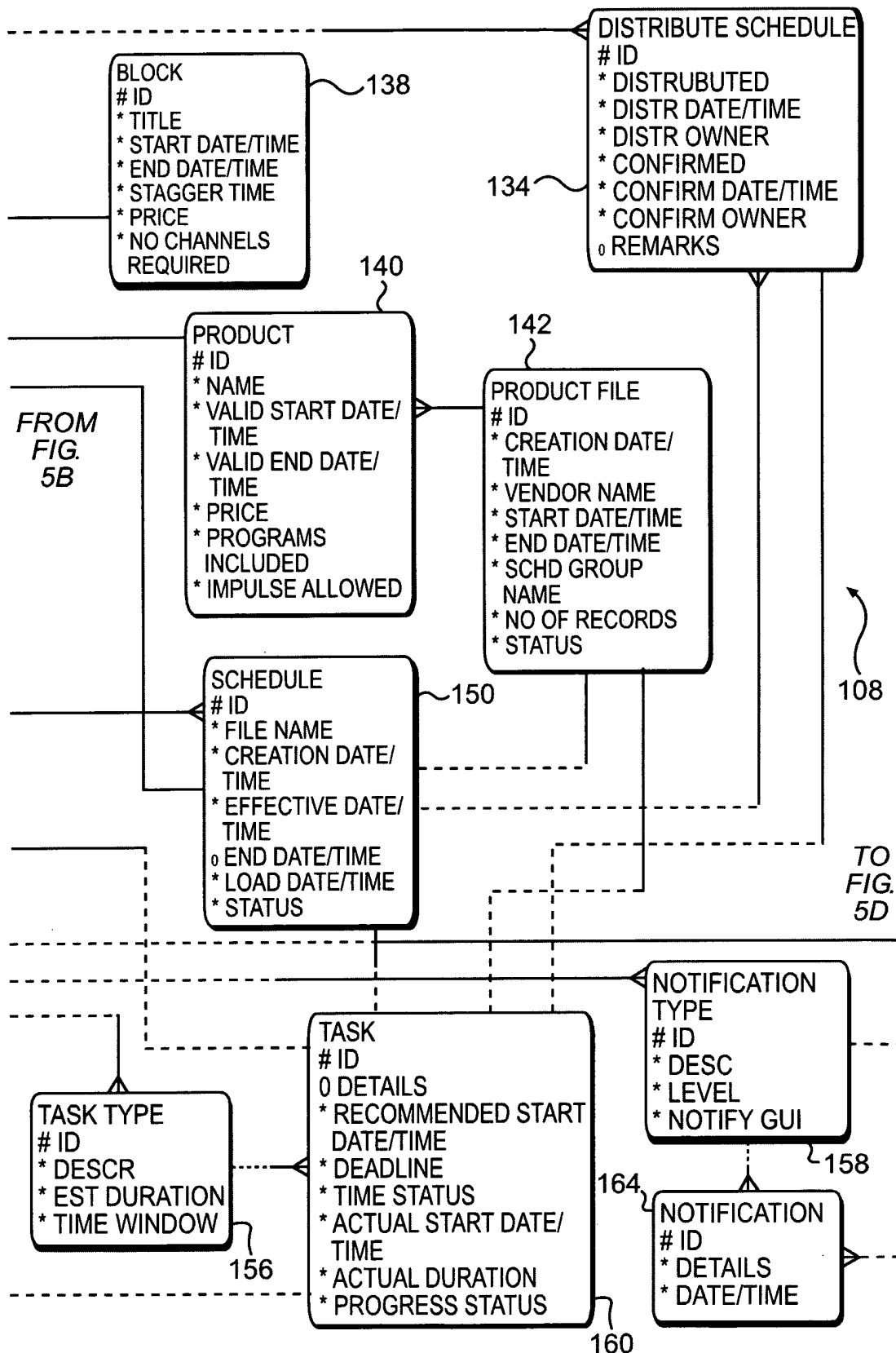
**FIG. 5A**

# Replacement Sheet



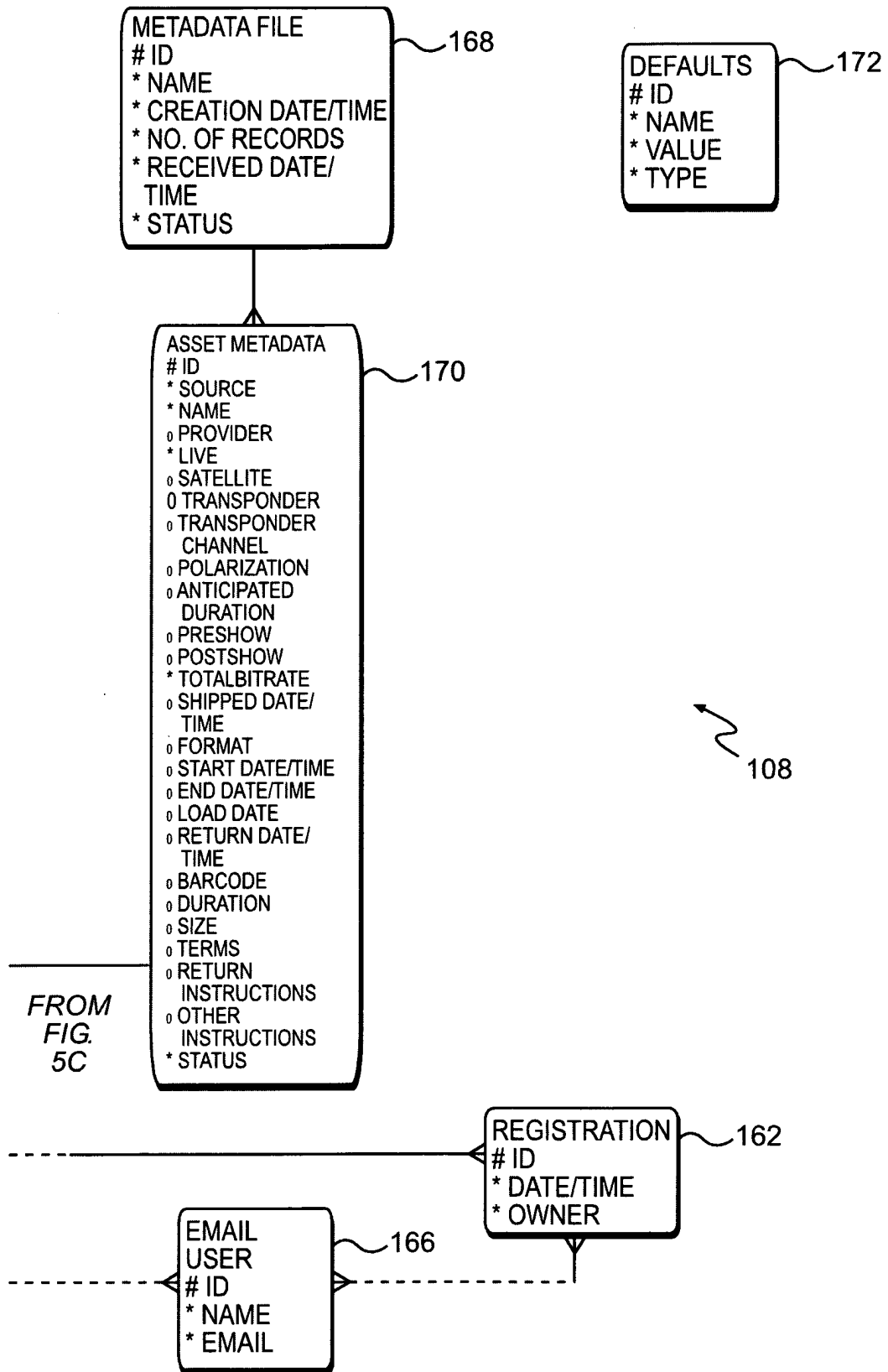
**FIG. 5B**

# Replacement Sheet



**FIG. 5C**

## Replacement Sheet



**FIG. 5D**



## Replacement Sheet

```

--TO ENSURE UNIFORM SIZE OF DATA TYPES,
WE USE SOME DOMAINS
-Small Id          -number(4,0)
-Small Char        -Varchar2(15)
-Med Char          -Varchar2(100)
-Date

CREATE TABLE items (
  id          number(4,0) primary key,
  description  varchar2(100) not null,
  effective_date date not null
);

CREATE TABLE frequencies (
  id          number(4,0) primary key,
  frequency    number(4,0) not null --in MHz
);

CREATE TABLE ports (
  id          number(4,0) primary key,
  description  varchar2(100) not null,
  effective_date date not null,
  freq_id number (4,0) not null references frequencies,
  item_id      number(4,0) not null references items
);

CREATE TABLE digital_streams (
  id          number(4,0) primary key,
  value       number(4,0) not null,
  bit_rate    varchar2(15) not null,
  vpi         number(4,0) not null,
  port_id     number(4,0) not null references ports,
  vci_id      number(4,0) not null references vci
);

CREATE TABLE supplier_numbers (
  id          number(4,0) primary key,
  value       number(4,0) not null,
  name        varchar2(15) not null
);

CREATE TABLE vci (
  id          number(4,0) primary key,
  value       number(4,0) not null
);

CREATE TABLE status (
  id          number(4,0) primary key,
  value       varchar(15) not null
);

CREATE TABLE channels(
  id          number(4,0) primary key,
  epq_channel_name varchar2(100) not null,
  bss_service_code number(6,0) not null,
  sib_display_channel number(4,0) not null,
  dig_stream_id  number(4,0) not null references digital_streams,
  sup_num_id     number(4,0) not null references supplier_numbers,
  stat_id        number(4,0) not null references status
);

CREATE TABLE line_ups (
  id          number(4,0) primary key,
  name        varchar2(15) not null,
  version     varchar2(15) not null,
  start_date time date,
  end_date   time date,
  stat_id     number(4,0) not null references status
);

```

**FIG. 6**

# Replacement Sheet

ANALOG FREQUENCY	VCI (33-1024)	VPI (FIXED)	ITEM #	ITEM PORT	DIGITAL STREAM	BIT RATE	STB LED CHANNEL DISPLAY	EPG CHANNEL NAME	ITC PAL FILE NAME	SUPPLIER NUMBER	RELATIVE CHANNEL NUMBER	BSS. SERVICE CODE	SERVICE HANDLE (CODE +32K)
666 MHz	33	0	1	1	1	4.5Mbps	201	AT01	V026mmw	026	1	801	33569
666 MHz	34	0	1	1	2	4.5Mbps	202	AT02	V026mmw	026	2	802	33570
666 MHz	35	0	1	1	3	4.5Mbps	203	AT03	V026mmw	026	3	803	33571
666 MHz	36	0	1	1	4	4.5Mbps	204	AT04	V026mmw	026	4	804	33572
666 MHz	37	0	1	1	5	4.5Mbps	205	AT05	V026mmw	026	5	805	33573
672 MHz	38	0	1	2	1	4.5Mbps	206	AT06	V026mmw	027	1	806	33574
672 MHz	39	0	1	2	2	4.5Mbps	207	AT07	V026mmw	027	2	807	33575
672 MHz	40	0	1	2	3	4.5Mbps	208	AT08	V026mmw	027	3	808	33576
672 MHz	41	0	1	2	4	4.5Mbps	209	AT09	V026mmw	027	4	809	33577
672 MHz	42	0	1	2	5	4.5Mbps	210	AT10	V026mmw	027	5	810	33578
678 MHz	43	0	1	3	1	4.5Mbps	211	AT11	V026mmw	028	1	811	33579
678 MHz	44	0	1	3	2	4.5Mbps	212	AT12	V026mmw	028	2	812	33580
678 MHz	45	0	1	3	3	4.5Mbps	213	AT13	V026mmw	028	3	813	33581
678 MHz	46	0	1	3	4	4.5Mbps	214	AT14	V026mmw	028	4	814	33582
678 MHz	47	0	1	3	5	4.5Mbps	215	AT15	V026mmw	028	5	815	33583
684 MHz	48	0	1	4	1	4.5Mbps	216	AT16	V026mmw	029	1	816	33584
684 MHz	49	0	1	4	2	4.5Mbps	217	AT17	V026mmw	029	2	817	33585
684 MHz	50	0	1	4	3	4.5Mbps	218	AT18	V026mmw	029	3	818	33586
684 MHz	51	0	1	4	4	4.5Mbps	219	AT19	V026mmw	029	4	819	33587
684 MHz	52	0	1	4	5	4.5Mbps	220	AT20	V026mmw	029	5	820	33588
690 MHz	53	0	1	5	1	4.5Mbps	221	AT21	V026mmw	030	1	821	33589
690 MHz	54	0	1	5	2	4.5Mbps	222	AT22	V026mmw	030	2	822	33590
690 MHz	55	0	1	5	3	4.5Mbps	223	AT23	V026mmw	030	3	823	33591
690 MHz	56	0	1	5	4	4.5Mbps	224	AT24	V026mmw	030	4	824	33592
690 MHz	57	0	1	5	5	4.5Mbps	225	AT25	V026mmw	030	5	825	33593

FIG. 7

Replacement Sheet

HEADER Record
SERVICE (Channel) Record
PROGRAM Record
EVENT Record
EVENT Record
EVENT Record
SERVICE (Channel) Record
PROGRAM Record

**FIG. 8**

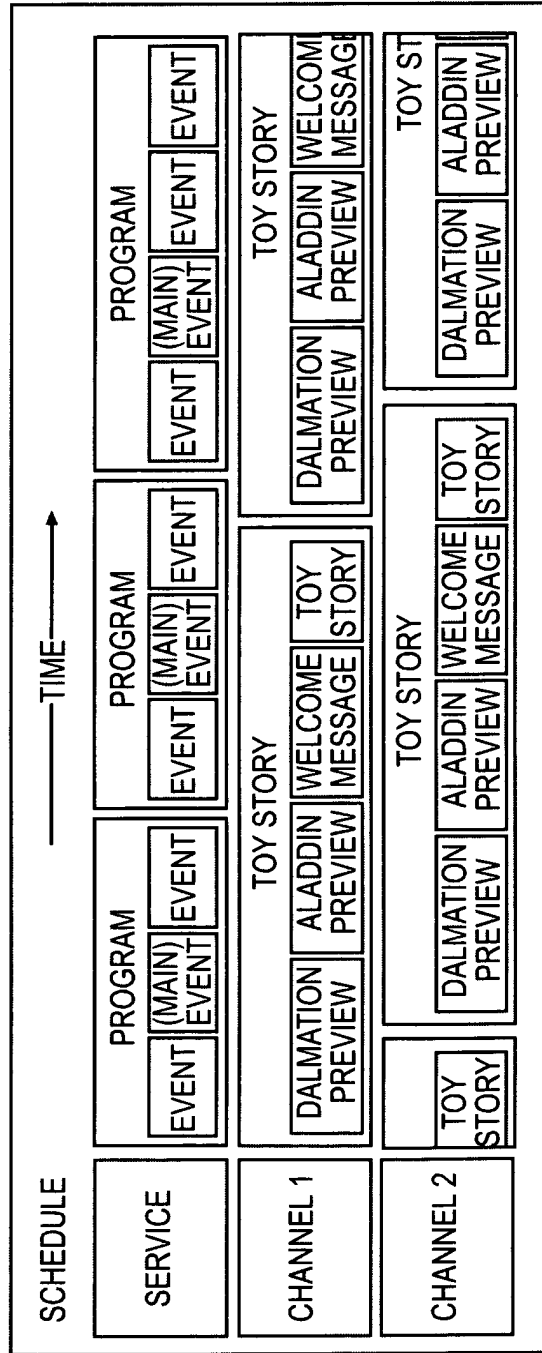


FIG. 9

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FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

NAME

FEB SCHEDULE - VERSION 2

STATUS

ACTIVE

NVOD 1

TOY STORY  
EVERY 15 MINUTES

NVOD 2

MISSION IMPOSSIBLE  
EVERY 30 MINUTES

NVOD 3

DENNIS  
EVERY 60 MINUTES

FEB 6FEB 7FEB 8FEB 9FEB 10FEB 11

PREV MONTHNEXT MONTH

FIG. 10

176

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

NAME

MAY SCHEDULE - VERSION 2

STATUS

WIP

NVOD 1	MAY 8, 1997			
	TOY STORY	JULIA CHILD		
NVOD 2	NBA PLAYOFFS	MISSION IMPOSSIBLE		
WCBS	DENNIS	STAR WARS		

6PM 6:30PM 7PM 7:30PM 8PM 8:30PM

MONTH BEGIN PREV DAY NEXT DAY MONTH END

FIG. 11

178

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

TITLE

GONE WITH THE WIND ▾

FROM

2/16/97

12.00AM

INTERVAL

6:00PM

PRICE

\$2.95

TO

3/16/97

12.00PM

TO

11:00PM

DATE	STARTING TIME	STB DISPLAY	CHANNEL NAME	CURRENT PRICE
2/16/97	9:30PM	202	NVOD1	3.25
2/18/97	10:00PM	203	NVOD2	2.25

UPDATE PRICE

SELECT ALL

FIG. 12

178

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS			
SCHEDULE	VERSION	STATUS	▲
FEBRUARY SCHEDULE	1	FINALIZED	
MARCH SCHEDULE	1	WIP	▼

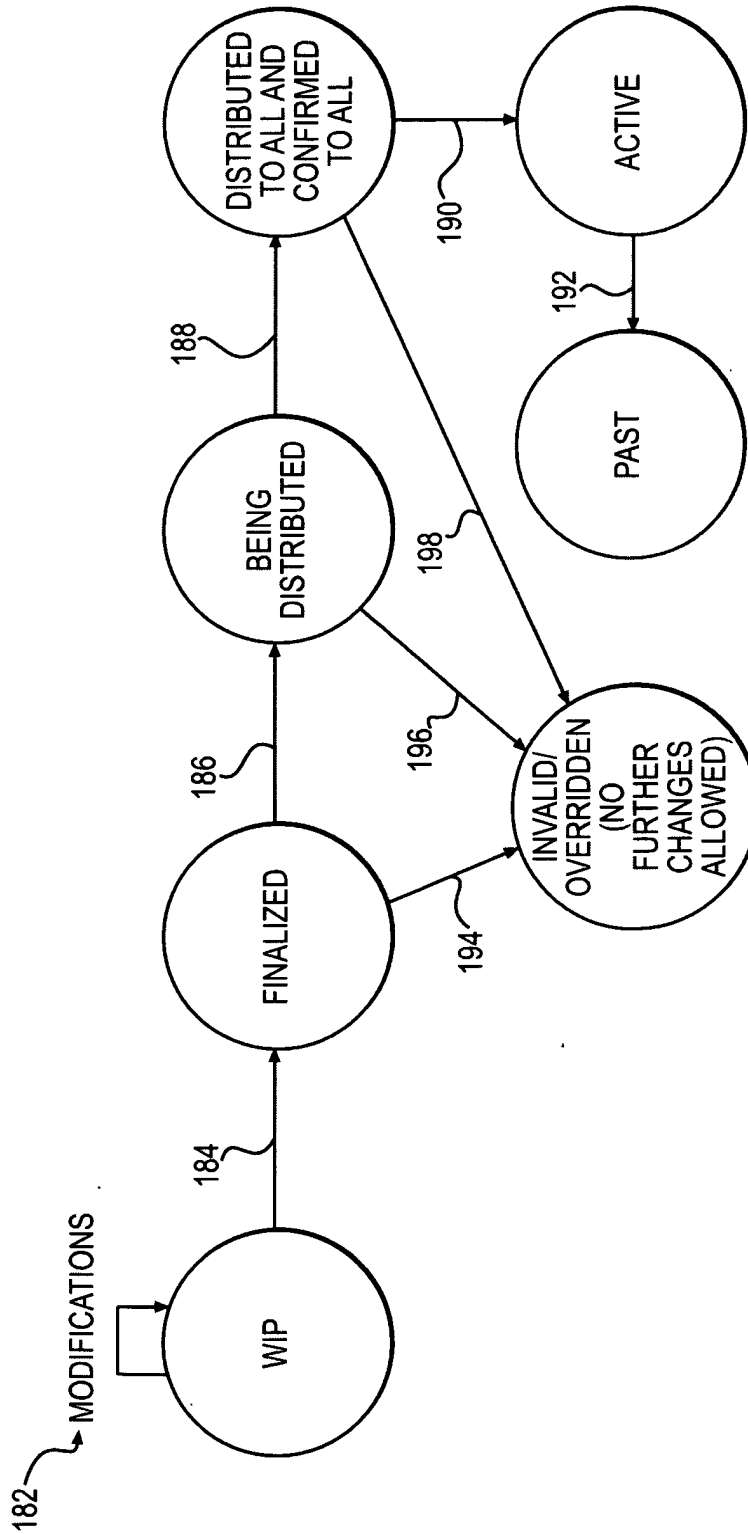
ORGANIZATION	DISTRIBUTED (Y/N)	DISTR. DATE	CONFIRMED (Y/N)	CONFIRM DATE	REMARKS
EPG	Y	2/4/97	Y	2/5/97	PHONE CALL FROM JOHN
BSS	Y	2/5/97	N	2/3/97	SENT A FAX
VIDEO SERVER	Y	2/3/97	Y		

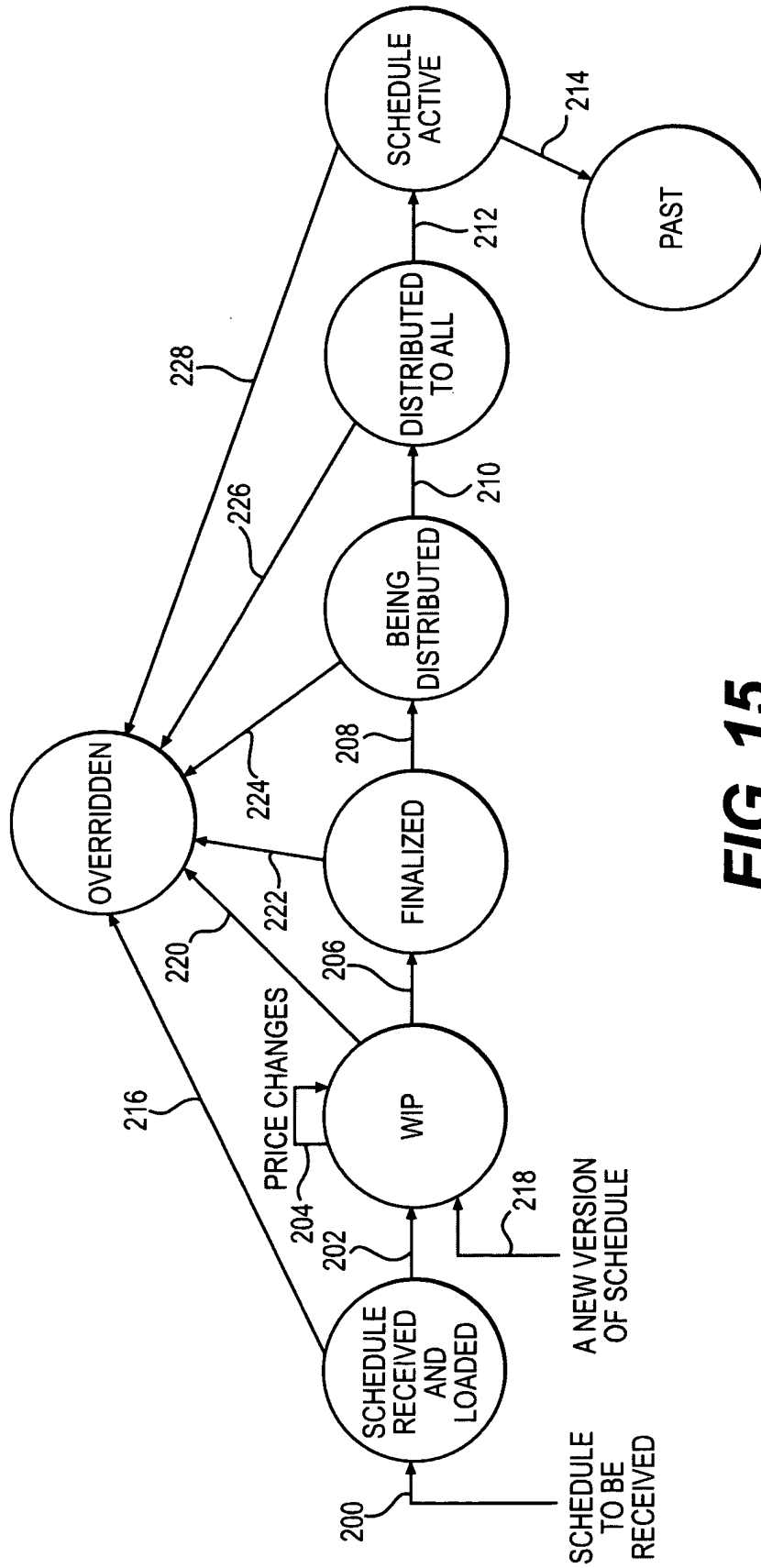
BEGIN DISTRIBUTION

**FIG. 13**





**FIG. 14**



Replacement Sheet

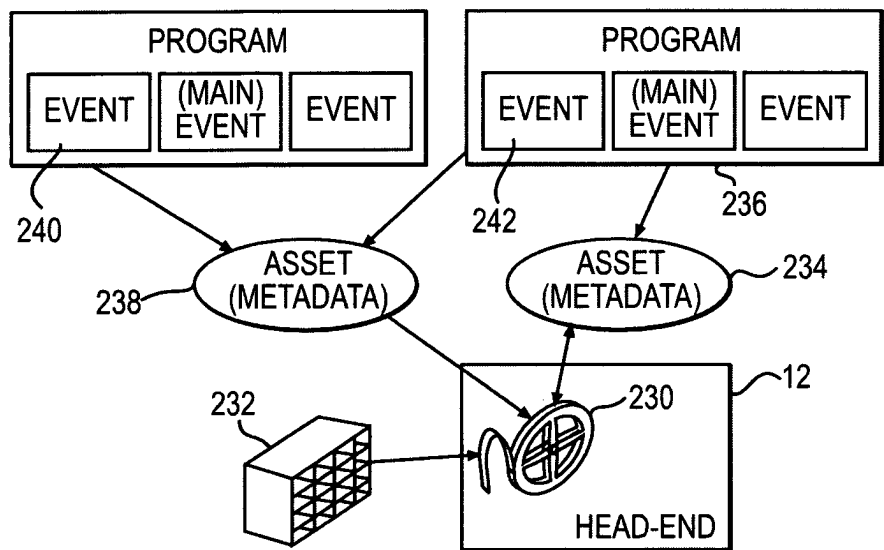


FIG. 16

HEADER Record
ASSET METADATA Record
ASSET EVENT Record
ASSET EVENT Record
ASSET EVENT Record
ASSET METADATA Record
ASSET EVENT Record

FIG. 17

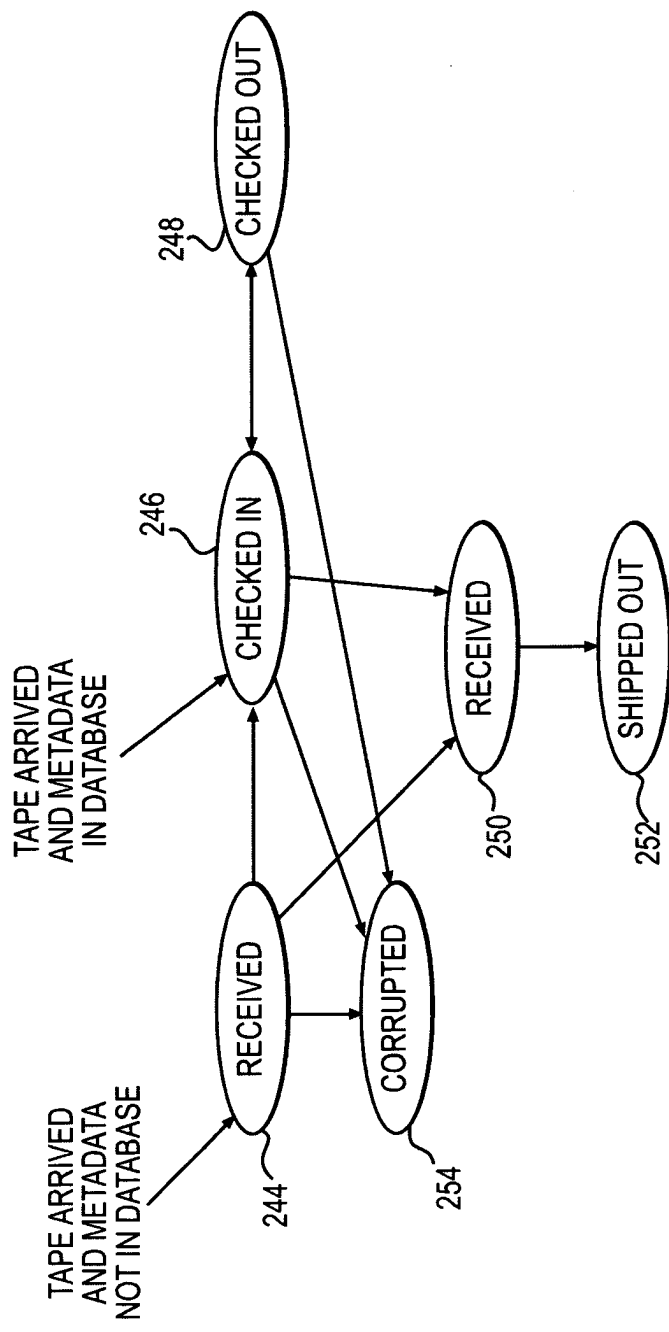


FIG. 18

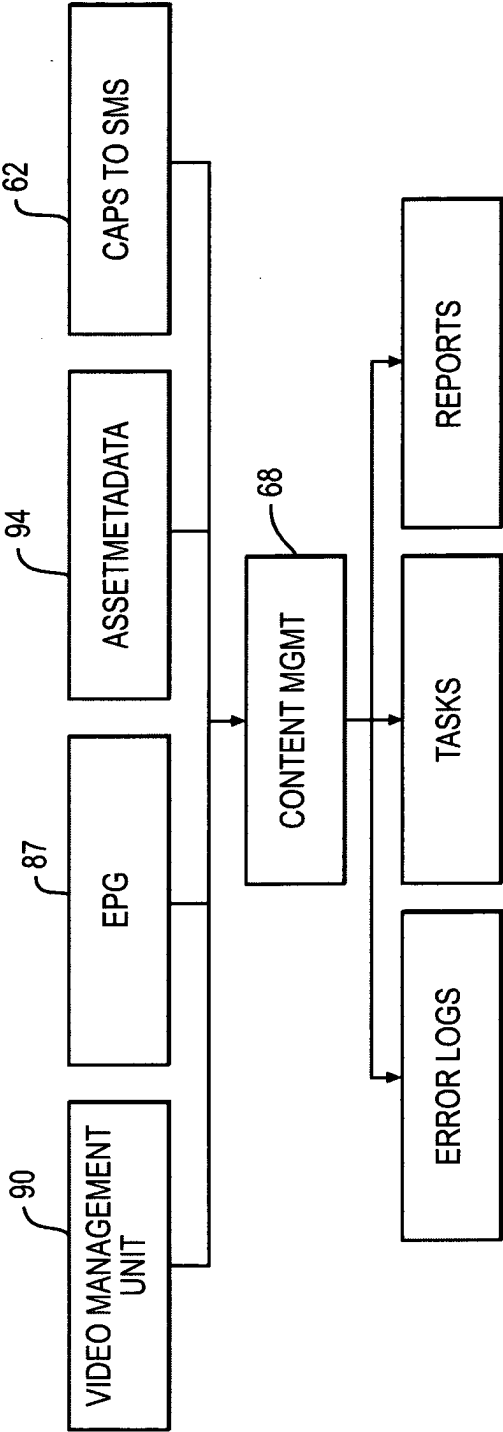
**FIG. 19**

**FIG. 19**

## Replacement Sheet

FILE EDIT SCHEDULE CONTENT TASKS CONFIGURE ASSET		-	☐	×							
<b>TAPE OPERATIONS</b>		<div><input type="checkbox"/> VIEW MODE   <input type="checkbox"/> EDIT MODE   <input type="checkbox"/> REFRESH DATA   <input type="checkbox"/> PRINT   <input type="checkbox"/> SAVE   <input type="checkbox"/> INPUT RECORD   <input type="checkbox"/> DELETE RECORD   <input type="checkbox"/> FIRST RECORD   <input type="checkbox"/> PREVIOUS RECORD   <input type="checkbox"/> NEXT RECORD   <input type="checkbox"/> LAST RECORD</div>									
<b>EDIT MODE</b>											
NAME	WONDER 3										
TOTAL BITRATE	6000000										
SOURCE	2										
PROVIDER ASSET ID	WONDER3										
DURATION	30										
SHIPPED DATE/TIME	03/30/1997 12:00:00AM										
LOAD DATE/TIME	03/31/1997 12:00:00AM										
RETURN DATE/TIME	05/30/1997 12:00:00AM										
BARCODE	BARCODE 15										
ASSET METADATA SIZE	6000000										
RETURN INSTRUCTIONS	ASSET RETURN INSTRUCTIONS FOR ADVENTURES EPISODES										
OTHER INSTRUCTION	OTHER INSTRUCTIONS FOR ADVENTURES 3										

**FIG. 20**



**FIG. 21**

256

FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

IMPORT AND LOAD FROM AMERICAST

LOAD FILES

ALL FILES

YES

SCHEDULE

CAPS-SMS

ASSET METADATA

YES

YES

YES

BEGIN LOAD

LOAD LOCAL FILE

FILE NAME

C:\SCHEDULES\MAY97

BROWSE ...

BEGIN LOAD

FIG. 22



258

FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

LAST UPDATED 2/11/97

NAME	CAPACITY	REMAINING	STATUS	LAST UPDATED
DATA SOURCE 1	100 GB	13 GB	AVAILABLE	2/8/97
DATA SOURCE 2	100 GB	87 GB	AVAILABLE	2/3/97
DATA SOURCE 3	100 GB	99GB	DOWN	2/11/97

CHECK STATUS

FIG. 23

260

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

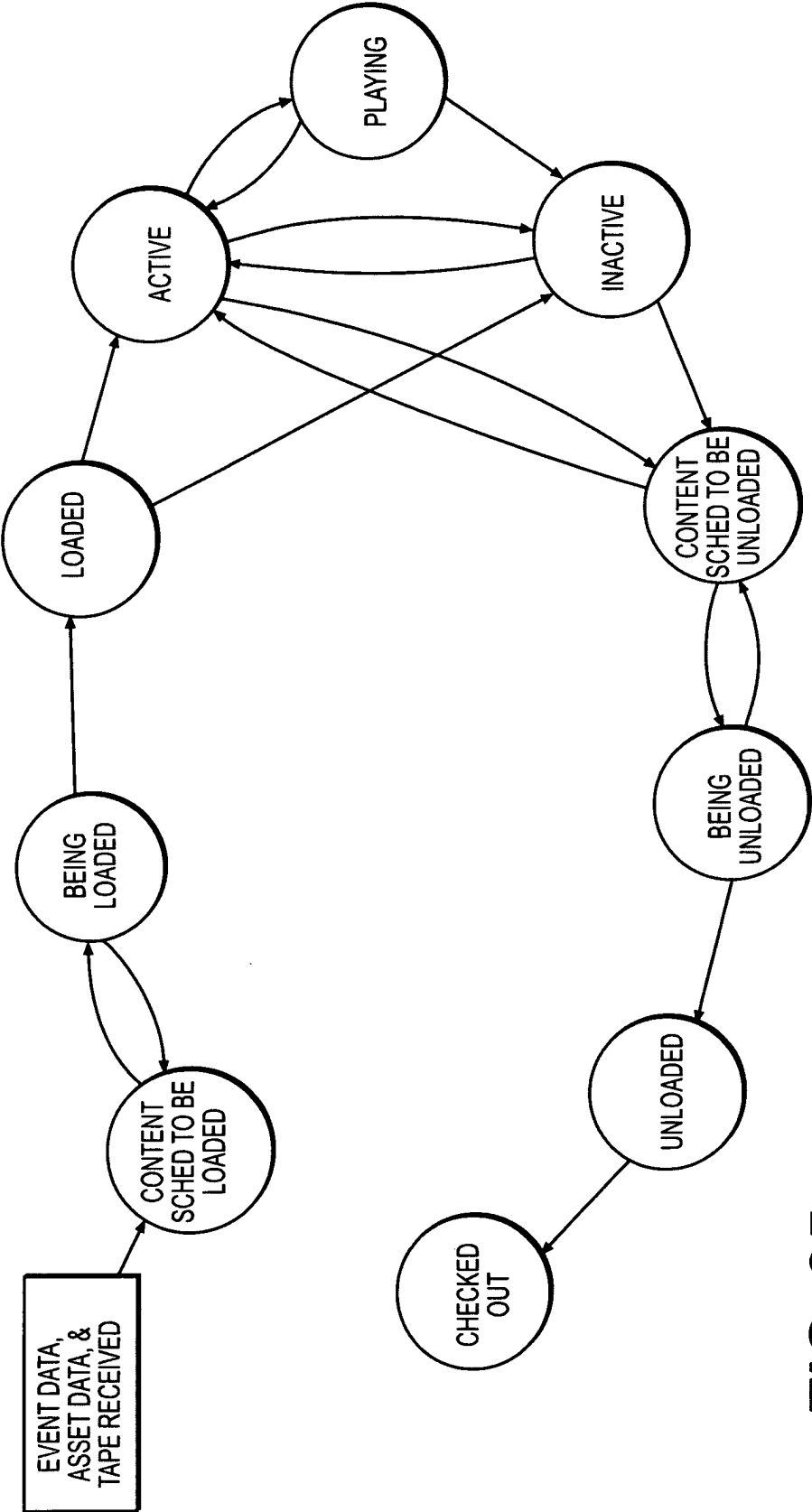
LAST UPDATED 2/11/97

ASSET ID	NAME	SCHEDULED TO BE LOADED ON	SERVER STATUS	TASK STATUS
12345	TOY STORY	2/3/97	LOADED	LOADED
17865	POCAHONTAS	2/8/97	UNLOADED	LOADED
761209	GARDENING	2/11/97	LOADED	LOADED

CHECK STATUS

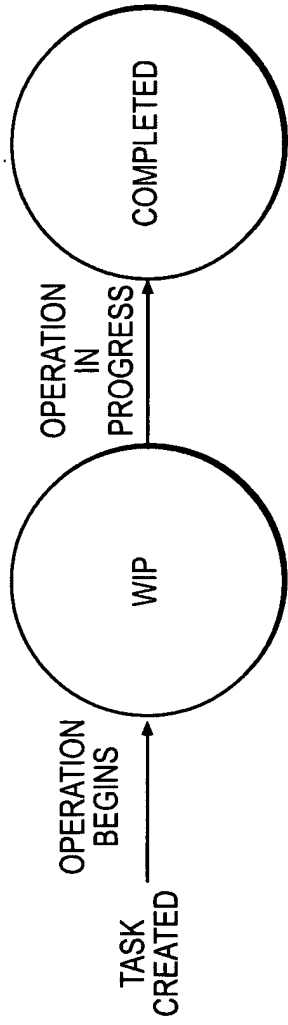
PLAY ON TEST CHANNEL

FIG. 24

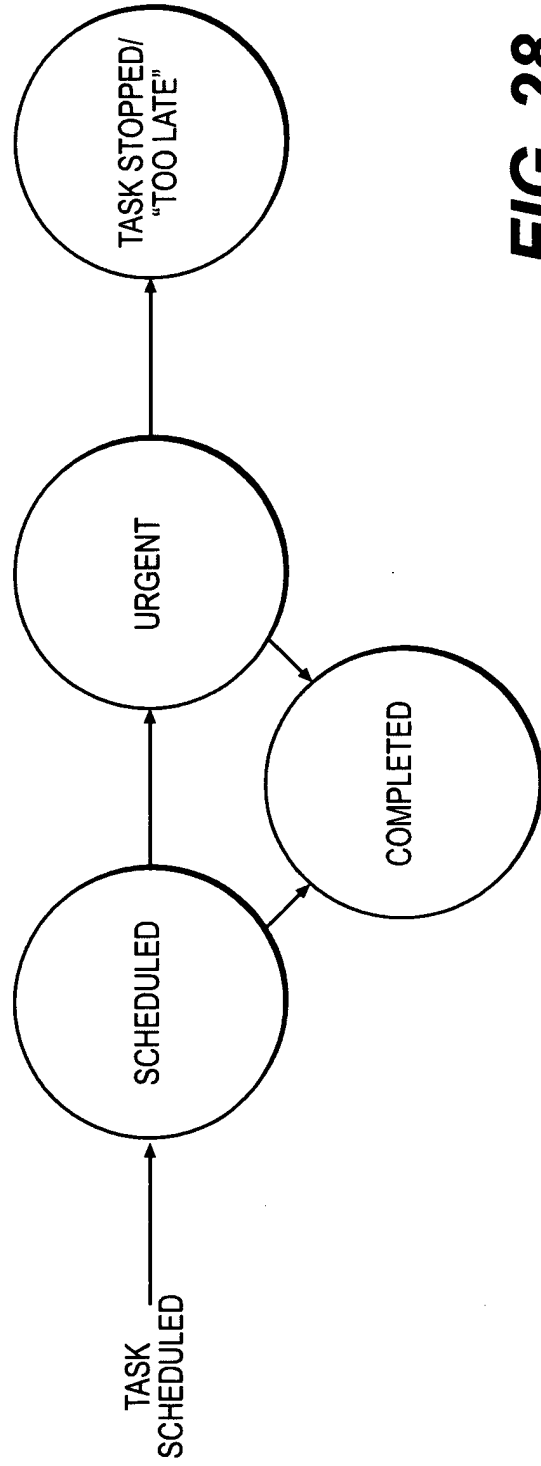


**FIG. 25**

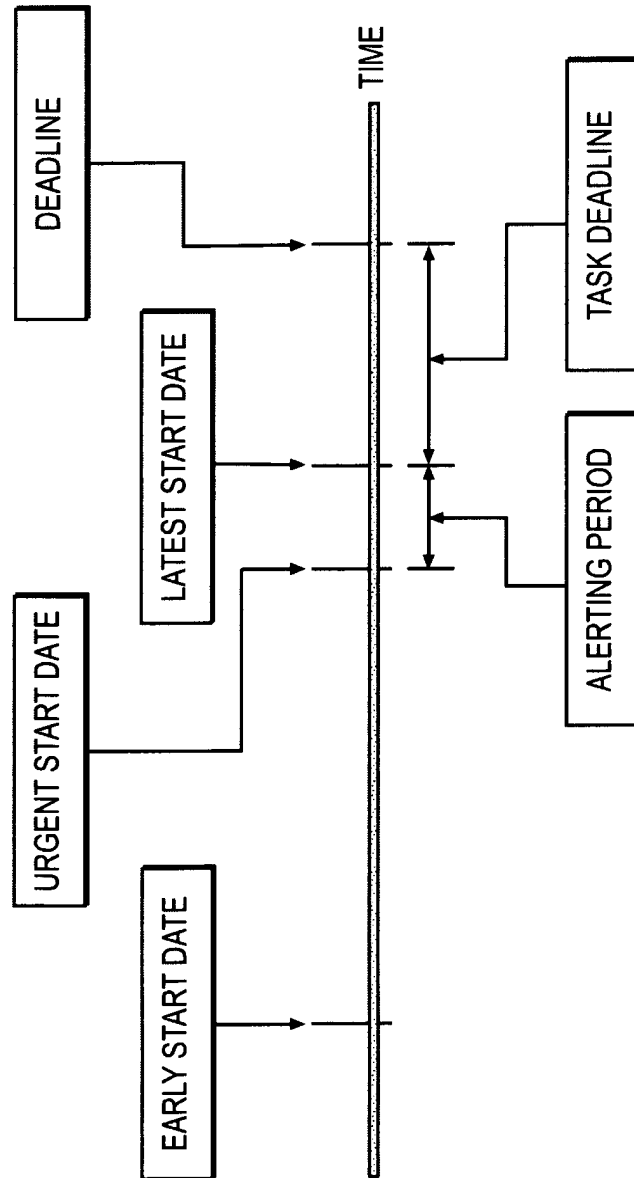
**FIG. 26**



**FIG. 27**



**FIG. 28**



**FIG. 29**

300

FILE	EDIT	MANAGE	CONFIGURE	ADMINISTER	REPORTS/LOGS
SAVE	SYSTEM PARAMETERS PREFERENCES NOTIFICATIONS	SCHEDULE... CONTENT... TASK	HEADEND		NOTIFICATIONS ERROR LOGS CHANNEL LINEUP SERVER CONTENT TASKS SCHEDULE ASSET
PRINT					
IMPORT/LOAD					
EXIT					

FIG. 30

302

FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

DELETE RECORDS

FROM1/16/97

TO2/16/97

TABLE NAME	EARLIEST DATE	NUMBER OF RECORDS MARKED FOR DELETION
PROGRAMS	2/1/97	345
EVENTS	2/1/97	2765
TASKS	2/3/97	125

SUBMIT

FIG. 31



304

FILEEDITMANAGECONFIGUREADMINISTERREPORTS/LOGS

SCHEDULE

NAME	VALUE
DEFAULT PRICE	2.95
MINIMUM DISTRIBUTION TIME TO TVDATA	12 (HOURS)
MINIMUM DISTRIBUTION TIME TO BSS	8 HOURS

HARDWARE CONFIGURATION

NAME	VALUE
MAXIMUM VCI	999
MAXIMUM STB DISPLAY CHANNEL	999
MAXIMUM CHANNEL FREQUENCY	800(MHz)

CONTENT

NAME	VALUE
MINIMUM LOADING TIME	2.95
	12 (HOURS)
	8 HOURS

FIG. 32

306

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS						
ID	MODULE	EVENT	NORMAL/ALERT	NOTIFY GUI (Y/N)	SEND TO PRINTER (Y/N)	
1	SCHEDULE MANAGEMENT	SCHEDULE COULD NOT BE VALIDATED	ALERT	YES	YES	
2	SCHEDULE DISTRIBUTION	SYSTEM CANNOT COMMUNICATE WITH TVDATA	ALERT	NO	NO	
3	CONTENT MANAGEMENT	ASSET NOT LOADED ON VIDEO SERVER BY DUE DATE	ALERT	YES	NO	
4	SCHEDULE MANAGEMENT	SCHEDULE HAS BEEN CHANGED	NORMAL	YES	YES	

FIG. 33

308

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

TASKS

NAME	AUTOMATIC/ MANUAL	Δ
IMPORT SCHEDULE FROM AMERICAST	AUTOMATIC	
IMPORT CAPS-SMS FROM AMERICAST	AUTOMATIC	
IMPORT ASSET METADATA FROM AMERICAST	AUTOMATIC	
DISTRIBUTE SCHEDULE TO TVDATA	MANUAL	
		▽

FIG. 34

310

FILE EDIT MANAGE CONFIGURE ADMINISTER REPORTS/LOGS

DISPLAY TASKS FROM:

2/16/97

TO:

3/16/97

FUNCTIONAL AREA	DESCR	RECOMMENDED START DATE	EST. DURATION	DEADLINE	STATUS	ACTUAL START DATE	ACTUAL END DATE	PROGRESS STATUS
CONTENT MGMT	LOAD "STAR WARS" ON DATA SOURCES 2	2/25/97	1 HOUR	3/1/97	URGENT			NO ACTION
CONTENT MGMT	LOAD "TOY STORY" ON DATA SOURCE 1	3/1/97	6 HOURS	3/10/97	SCHEDULED			NO ACTION
SCHEDULE MGMT	DISTRIBUTE APRIL SCHEDULE (VERSION 1) TO BSS	2/24/97	1 HOUR	3/11/97	SCHEDULED	2/24/97		WIP

FIG. 35